

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20050086053"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 12:48
S2	14	(voice adj data adj stream) and ("G. 711" and A-law)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 12:49
S3	14	(voice adj data adj stream) and ("G. 711" or A-law) and ((encoder or encoding) with (type or kind))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 13:16
S4	34	((detect or identify) with type with (encoding or algorithm)) and (speech and (encoder or decoder or codec)) and (PCM or a-law or (log adj quantizer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 13:23
S5	60	((detect or identify or determine) with type with (encoding or algorithm)) and (speech and (encoder or decoder or codec)) and (PCM or a-law or (log adj quantizer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 13:24
S6	12	((detect or identify or determine) with type with (encoding or algorithm)) and (speech and (encoder or decoder or codec)) and (PCM and ( a-law or (log adj quantizer)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 13:24
S7	6	(US-20020110246-\$ or US-20020024945-\$ or US-20050086053-\$).did. or (US-6717955-\$ or US-7076260-\$ or US-6088365-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/17 06:39
S8	0	S7 and ((identify and classify) with encoding)	US-PGPUB; USPAT	OR	ON	2007/04/17 06:40

## EAST Search History

S9	0	S7 and ((identify and classify) with (encoding or coding or code))	US-PGPUB; USPAT	OR	ON	2007/04/17 06:41
S10	65	(voice or speech).ti,ab. and ((identify and classify) with (encoding or coding or code))	US-PGPUB; USPAT	OR	ON	2007/04/17 06:53
S11	1	"6600740".pn.	US-PGPUB; USPAT	OR	ON	2007/04/17 06:48
S12	1	"6600740".pn. and (identify)	US-PGPUB; USPAT	OR	ON	2007/04/17 06:48
S13	14	("4910510"   "5101406"   "5481574"   "5774457"   "5838664"   "5970233"   "5982766"   "6081552"   "6111879"   "6128317"   "6175856"   "6181693"   "6195337"   "6324174").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 06:51
S14	67	(voice or speech).ti,ab. and ((identify and classify) with (encoding or coding or code))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 06:56
S15	395	(voice or speech).ti,ab. and ((identify or classify) with (encoding or coding))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 06:57
S16	148	(voice or speech).ti,ab. and ((identify or classify) with (encoding or coding)). ab,bsum.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 06:57
S17	63	(voice or speech).ti,ab. and ((identify or classify) with (encoding or coding)). ab,bsum. and (((data adj stream) or word or parameter) and threshold)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 06:59
S18	61	(voice or speech).ti,ab. and ((identify or classify) with (encoding or coding)). ab,bsum. and (((data adj stream) or data or frame) and (word or parameter)) and threshold)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 06:59
S19	61	(voice or speech).ti,ab. and ((identify or classify) with (encoding or coding)). ab,bsum. and (((data adj stream) or data or frame) and (word or parameter) and threshold)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 07:00

## EAST Search History

S20	13	(voice or speech).ti,ab. and ((identify or classify) with (encoding or coding)). ab,bsum. and (((data adj stream) or data or frame) and (word or parameter) and threshold and \$2law)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 07:14
S21	2	"6345056".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 07:08
S22	6	("6345056").URPN.	USPAT	OR	ON	2007/04/17 07:12
S23	13	(voice or speech).ti,ab. and ((identify or classify) with (encoding or coding)). ab,bsum. and (((data adj stream) or data or frame) and (word or parameter) and threshold and (\$2law or "g.711"))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 07:45
S24	1	(voice or speech).ti,ab. and ((identify or classify) with (encoding or coding)). ab,bsum. and (((data adj stream) or data or frame) and (word or parameter) and threshold and ("g. 711" or "G 711" or "G.711"))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 07:46
S25	1	(voice or speech).ti,ab. and ((identify or classify) with (encoding or coding)). ab,bsum. and (((data adj stream) or data or frame) and threshold and ("g. 711" or "G 711" or "G.711"))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 07:47
S26	6	(voice or speech).ti,ab. and ((identify or classify) with (encoding or coding)). ab,bsum. and (((data adj stream) or data or frame) and (level or threshold) and ("g. 711" or "G 711" or "G.711"))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 08:48
S27	16	(US-20020110246-\$ or US-20020024945-\$ or US-20050086053-\$ or US-20050251387-\$ or US-20020111798-\$).did. or (US-6717955-\$ or US-7076260-\$ or US-6088365-\$ or US-6600740-\$ or US-6195337-\$ or US-5982766-\$ or US-5101406-\$ or US-6345056-\$ or US-6891831-\$ or US-6324409-\$).did. or (EP-942622-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/04/17 07:56
S28	7	S27 and ((ID or identify or identifying) near (encoding or type))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/04/17 07:57

## EAST Search History

S29	7	S27 and ((ID or identify or identifying) near (encoding or type)) and (identify or identifying)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/04/17 07:57
S30	6	(voice or speech).ti,ab. and ((identify or classify) with (encoding or coding)). ab,bsum. and (level or threshold) and ("g. 711" or "G 711" or "G.711")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 08:54
S31	2	"7173963".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 08:54
S32	2	"6381266".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/23 13:25
S33	0	((determine or detector or detect) near (encoding or encoder)) same "g. 711"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/23 13:26
S34	20	((determine or detector or detect) with (encoding or encoder)) same "g. 711"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/23 13:34
S35	5	((identify\$3) with (encoding or encoder)) same "g.711"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/23 13:33
S36	2	((identify\$3) with (coding)) same "g. 711"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/23 13:33

## EAST Search History

S37	24	((determine or detector or detect) with (coding or coder)) same "g.711"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/23 13:34
S38	2	"6381266".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 06:29
S39	2	"6381266".pn. and (codeword or word or feature or parameter or level)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 08:34
S40	2	"6381266".pn. and (codeword or word or feature or parameter or level or buffer or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 06:43
S41	1	"20050086053" and ("5" or five)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 06:42
S42	1	"6381266".pn. and (threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 06:45
S43	1	"6381266".pn. and (threshold or diff or difference or count)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 07:01

## EAST Search History

S44	21	(US-20050086053-\$ or US-20020110246-\$ or US-20020024945-\$ or US-20050251387-\$ or US-20030076815-\$ or US-20020111798-\$).did. or (US-6438131-\$ or US-7076260-\$ or US-6088365-\$ or US-6717955-\$ or US-6600740-\$ or US-6345056-\$ or US-6195337-\$ or US-6324409-\$ or US-5982766-\$ or US-5101406-\$ or US-6891831-\$ or US-7173963-\$ or US-6381266-\$).did. or (US-6381266-\$ or EP-942622-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/04/24 06:46
S45	4	S44 and (threshold and ( diff or difference or count or S41 or five))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 06:48
S46	4	S44 and (threshold and ( diff or difference or count or S41 or five))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 06:48
S47	1	"6381266".pn. and (threshold same (maximum))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 07:03
S48	2	("6381266".pn. or "20050086053") and ((threshold or value or level) same (maximum))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 07:04
S49	8	("6381266".pn. or "20050086053" or S44) and ((threshold or value or level) same (maximum))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 07:04

## EAST Search History

S50	7	("6381266".pn. or "20050086053" or S44) and ((threshold or value or level) with (maximum))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 07:08
S51	35	("g.711") same (detection or determination or detector) and ((threshold or value or level) with (maximum))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 07:10
S52	3	("g.711") same (detection or determination or detector) and ((threshold or value or level) with (maximum)) and (difference with normaliz\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 07:58
S53	82	("g.711") and (range with ("6" or six or "6th"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 08:00
S54	35	("g.711") and (range with ("6" or six or "6th")) and ((detect\$4 or determin\$4) with (encod\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 08:02
S55	3	("g.711") and (range with ("6" or six or "6th")) and ((detect\$4 or determin\$4) with (encod\$3 or compression)).ti,ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 08:04
S56	11	("g.711") and (range with ("6" or six or "6th")) and ((detect\$4 or determin\$4) with (encod\$3 or compression or algorithm)).ti,ab, bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 08:06

## EAST Search History

S57	12	("g.711") and (range with ("6" or six or "6th" or sixth)) and ((detect\$4 or determin\$4) with (encod\$3 or compression or algorithm)).ti,ab, bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 08:06
S58	38	("g.711") and ((range or level) with ("6" or six or "6th" or sixth)) and ((detect\$4 or determin\$4) with (encod\$3 or compression or algorithm)).ti,ab,bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 08:07
S59	1	"6381266".pn. and (program or computer or processor or software)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 08:35
S60	2	"6381266".pn. and (program or computer or processor or software or algorithm or code)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 08:38
S61	1	"6381266".pn. and (memory or RAM or ROM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 08:41
S62	1	"6381266".pn. and ("402")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/24 08:41



File 344:Chinese Patents Abs Jan 1985-2006/Jan

(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2006/Nov(Updated 070228)

(c) 2007 JPO & JAPIO

File 350:Derwent WPIX 1963-2006/UD=200719

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Set	Items	Description
S1	144844	(VOICE OR SPEECH AUDIO OR VOCAL)
S2	609	S1(3N)STREAM?
S3	15561	PCM OR PULSE()CODE()MODULATION
S4	44	S2(3N)(ENCODE?? OR ENCODING OR DECODING OR DECODE?? OR COD- ING OR CODED)
S5	0	LINEAR()G711
S6	0	MULAW()G711
S7	0	ALAW()G711
S8	0	ITU()G711
S9	8	G711
S10	19162	(ONE OR SINGLE OR 1)(3N)(WORD?? OR UTERRANCE??)
S11	60160	(DETECT? OR DETERMIN? OR ANALYZE?? OR ANALYSE?? OR SELECT? OR CHOOS? OR IDENTIF?)(3N)(ENCODE?? OR ENCODING OR DECODING OR DECODE?? OR CODING OR CODED)
S12	17	AU=(RAMBO, D? OR RAMBO D?)
S13	963	S10.AND S11
S14	2	S13 AND S2
S15	1	S13 AND S12
S16	0	S15 NOT S14
S17	0	S9 AND S11
S18	1	S12 AND S2
S19	0	S18 NOT S14
S20	28	S11 AND S2
S21	1	S20 AND ITU
S22	1	S21 NOT S14
S23	0	S4 AND S9
S24	0	S9 AND S10
S25	2	S20 AND S10
S26	0	S25 NOT S14

**14/3,K/1 (Item 1 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0015046048 - Drawing available

WPI ACC NO: 2005-394066/200540

XRPX Acc No: N2005-319276

Encoding **algorithm type** identifying **method for voice communication system, involves generating parameter with words of voice data stream having A-law/m-law/mu law linear equivalents, to identify type of encoding algorithm**

Patent Assignee: RAMBO D (RAMB-I)

Inventor: RAMBO D

**Patent Family** (1 patents, 1 countries)

Patent                      Application

Number      Kind      Date      Number      Kind      Date      Update

US 20050086053      A1      20050421      US 2003688443      A      20031017      200540      B

Priority Applications (no., kind, date): US 2003688443 A 20031017

#### Patent Details

Number Kind Lan Pg Dwg Filing Notes  
US 20050086053 A1 EN 20 5

Encoding algorithm type identifying method for voice communication system, involves generating parameter with words of voice data stream having A-law/m-law/mu law linear equivalents, to identify type of encoding algorithm

**Alerting Abstract** ...NOVELTY - The method involves reading a word from a voice data stream stored in a file. A parameter is generated using the word. A type of the...

...G.711/A-law G.711/mu-law G.711 algorithm, used to encode the voice data stream is identified based on the parameter. The parameter comprises a number of words of the...

**DESCRIPTION** - An INDEPENDENT CLAIM is also included for a system operating on a voice data stream .

...

...USE - Used for identifying the type of encoding algorithm e.g. linear G.711/A-law G.711/mu-law G.711 algorithm used to encode a voice data stream , in a voice communication system...

...ADVANTAGE - The method is applied to a voice data stream to ensure that a codec with the appropriate algorithm is used to reproduce an audio

#### Original Publication Data by Authority

#### Original Abstracts:

...may be used as a testing tool to identify whether a voice data stream is encoded using a linear G.711, mu-law G.711, or A-law G.711 algorithm. The system and method are applied to a voice data stream to ensure that a codec with the appropriate algorithm is used to reproduce an audio waveform.

#### Claims:

<b>1</b>. A method of operating on a voice data stream comprising: reading at least one word from said voice data stream ; generating at least one parameter using said at least one word; and identifying, based on said at least one parameter, a type of encoding used in generating said voice data stream.

14/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0012696030 - Drawing available

WPI ACC NO: 2002-547030/200258

Related WPI Acc No: 1992-048561; 1993-386880; 1993-386881; 1994-310821; 1995-254708; 1996-251359; 1998-178828; 2000-490056; 2000-564320; 2001-656283; 2004-132031

XRPX Acc No: N2002-433068

**Text enhanced telephone for modern personal communication, has visually readable display that displays encoded characters which are identified by microcontroller, to allow reading of words spoken by remote user**  
 Patent Assignee: COLWELL K (COLW-I); ENGELKE R M (ENGE-I); ULTRATEC INC (ULTR-N)

Inventor: COLWELL K; ENGELKE R M

**Patent Family** (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20020064256	A1	20020530	US 1988255357	A	19881011	200258 B
			US 1990616720	A	19901116	
			US 1992842943	A	19920109	
			US 1992886552	A	19920520	
			US 1993129894	A	19930930	
			US 1993155061	A	19931119	
			US 199834076	A	19980303	
			US 2000572819	A	20000517	
			US 2001977842	A	20011015	
US 6549611	B2	20030415	US 1988255357	A	19881011	200329 E
			US 1990616720	A	19901106	
			US 1992842943	A	19920109	
			US 1992886552	A	19920520	
			US 1993129894	A	19930930	
			US 1993155061	A	19931119	
			US 199834076	A	19980303	
			US 2000572819	A	20000517	
			US 2001977842	A	20011015	

Priority Applications (no., kind, date): US 1990616720 A 19901106; US 2000572819 A 20000517; US 199834076 A 19980303; US 1993155061 A 19931119; US 1993129894 A 19930930; US 1992886552 A 19920520; US 1992842943 A 19920109; US 1990616720 A 19901116; US 1988255357 A 19881011; US 2001977842 A 20011015

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020064256	A1	EN	22	12	Continuation of application US 1988255357
					C-I-P of application US 1990616720
					C-I-P of application US 1992842943
					C-I-P of application US 1992886552
					Continuation of application US
1993129894					Continuation of application US
1993155061					Continuation of application US
199834076					Continuation of application US
2000572819					Continuation of application US
US 6549611	B2	EN			Continuation of application US 1988255357
					C-I-P of application US 1990616720
					C-I-P of application US 1992842943
					C-I-P of application US 1992886552
					C-I-P of application US 1993129894
					C-I-P of application US 1993155061

199834076 Continuation of application US  
 2000572819 Continuation of application US  
 C-I-P of patent US 5081673  
 C-I-P of patent US 5351288  
 C-I-P of patent US 5432837  
 C-I-P of patent US 5517548  
 Continuation of patent US 6075842  
 Continuation of patent US 6307921

**Text enhanced telephone for modern personal communication, has visually readable display that displays encoded characters which are identified by microcontroller, to allow reading of words spoken by remote user**  
 ...using digital communication tones, into digital signals. A microcontroller (30) receives the digital signals that identify the characters encoded in the digital form. A visually readable display (38) displays the identified characters, so that...

#### Original Publication Data by Authority

#### Original Abstracts:

...communicate with hearing persons over the telephone, to translate the spoken voice into a text stream. The TET relay and TET device are capable of separating voice and digital communications frequencies carrying text so that...

...the telephone, to translate the spoken voice into a text stream. The TET relay and TET device are capable of separating voice and digital communications frequencies carrying text so that voice and a text communications...

#### Claims:

...encoded in the digital form; and a visually readable display to display the characters identified by the microcontroller, the microcontroller programmed to display on the display the characters as they are received so that  
 ?

22/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0015996444 - Drawing available

WPI ACC NO: 2006-528114/200654

XRPX Acc No: N2006-422990

**Bit packing format determining method for use in telecommunication system, involves determining whether one bit packing format is compatible with another by detecting occurrence of code words of interest in payloads**

Patent Assignee: MUNDRA S K M (MUND-I); THOMAS D C (THOM-I)

Inventor: MUNDRA S K M; THOMAS D C

**Patent Family** (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 20060171372	A1	20060803	US 200547746	A	20050202	200654 B

Priority Applications (no., kind, date): US 200547746 A 20050202

#### Patent Details

Number	Kind	Lang	Pg	Dwg	Filing	Notes
US 20060171372	A1	EN	8	3		

**Alerting Abstract** ...whether the bit packing format is compatible with another bit packing format used by an **encoder / decoder** by **detecting** the occurrence of ADPCM code words of interest in the payloads. USE - Used for determining a bit packing format in a **voice data stream** encoded with adaptive differential pulse-code modulation (ADPCM), for an encoder/decoder, in a telecommunication...

...whether the bit packing format is compatible with another bit packing format used by an **encoder / decoder** by **detecting** the occurrence of ADPCM code words of interest in the payloads, thus providing seamless interoperability between callers that use different bit packing formats in the **voice data stream**.

#### Original Publication Data by Authority

##### Original Abstracts:

...the occurrence of ADPCM code words of interest in the decoded voice data stream out of the **encoder / decoder**. The invention may be applied to an ITU G.726 encoder/ **decoder**. >

##### Claims:

...determine bit packing format in a voice data stream encoded with ADPCM, comprising:receiving, into a voice **encoder /decoder**, voice data signals encoded with ADPCM, wherein payloads of said voice data signals are...

...by said encoder/decoder by detecting the occurrence of ADPCM code words of interest in **said payloads**.>

File 2:INSPEC 1898-2007/Mar W2  
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 File 6:NTIS 1964-2007/Mar W2  
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 File 8:Ei Compendex(R) 1884-2007/Mar W1  
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 File 34:SciSearch(R) Cited Ref Sci 1990-2007/Mar W2  
 (c) 2007 The Thomson Corp  
 File 35:Dissertation Abs Online 1861-2007/Feb  
 (c) 2007 ProQuest Info&Learning  
 File 56:Computer and Information Systems Abstracts 1966-2007/Mar  
 (c) 2007 CSA.  
 File 57:Electronics & Communications Abstracts 1966-2007/Mar  
 (c) 2007 CSA.  
 File 65:Inside Conferences 1993-2007/Mar 19  
 (c) 2007 BLDSC all rts. reserv.  
 File 92:IHS Intl.Stds.& Specs. 1999/Nov  
 (c) 1999 Information Handling Services  
 File 94:JICST-EPlus 1985-2007/Mar W4  
 (c)2007 Japan Science and Tech Corp(JST)  
 File 95:TEME-Technology & Management 1989-2007/Mar W3  
 (c) 2007 FIZ TECHNIK  
 File 99:Wilson Appl. Sci & Tech Abs 1983-2007/Feb  
 (c) 2007 The HW Wilson Co.  
 File 144:Pascal 1973-2007/Mar W2  
 (c) 2007 INIST/CNRS  
 File 239:Mathsci 1940-2007/Apr  
 (c) 2007 American Mathematical Society  
 File 256:TecInfoSource 82-2007/Oct  
 (c) 2007 Info.Sources Inc  
 File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
 (c) 2006 The Thomson Corp  
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
 (c) 2002 The Gale Group  
 File 603:Newspaper Abstracts 1984-1988  
 (c)2001 ProQuest Info&Learning  
 File 483:Newspaper Abs Daily 1986-2007/Mar 20  
 (c) 2007 ProQuest Info&Learning

Set	Items	Description
S1	273478	(VOICE OR SPEECH AUDIO OR VOCAL)
S2	1001	S1(3N)STREAM?
S3	35679	PCM OR PULSE()CODE()MODULATION
S4	30	S2(3N)(ENCODE?? OR ENCODING OR DECODING OR DECODE?? OR COD- ING OR CODED)
S5	0	LINEAR()G711
S6	0	MULAW()G711
S7	0	ALAW()G711
S8	0	ITU()G711
S9	23	G711
S10	21062	(ONE OR SINGLE OR 1)(3N)(WORD?? OR UTERRANCE??)
S11	49049	(DETECT? OR DETERMIN? OR ANALYZE?? OR ANALYSE?? OR SELECT? OR CHOOS? OR IDENTIF?)(3N)(ENCODE?? OR ENCODING OR DECODING OR DECODE?? OR CODING OR CODED)
S12	21	AU=(RAMBO, D? OR RAMBO D?)
S13	2	S2 AND S11

S14 2 RD S13 (unique items)  
 S15 101 S10 AND S11  
 S16 0 S15 AND S2  
 S17 1 S15 AND S1  
 S18 1 S17 NOT S14  
 S19 0 S15 AND S9  
 S20 0 S12 AND S1  
 S21 0 S12 AND S9  
 S22 2 S2 AND S9  
 S23 2 S22 NOT (S13 OR S18)  
 S24 1 RD S23 (unique items)  
 S25 205 G()711  
 S26 4 S25 AND S11  
 S27 4 S26 NOT (S22 OR S13 OR S18)  
 S28 2 RD S27 (unique items)

**14/3,K/1 (Item 1 from file: 2)**

DIALOG(R)File 2:INSPEC

(c) 2007 Institution of Electrical Engineers. All rts. reserv.

04483947 INSPEC Abstract Number: B89071271

**Title: Delay-fidelity tradeoffs in packet voice systems**

Author(s): Stern, T.E.; Yin, N.; Li, S.-O.

Author Affiliation: Dept. of Electr. Eng., Columbia Univ., NY, USA

Conference Title: Teletraffic Science for New Cost-Effective Systems, Networks and Services, ITC-12. Proceedings of the Twelfth International Teletraffic Congress p.756-62 vol.1

Editor(s): Bonatti, M.

Publisher: North-Holland, Amsterdam, Netherlands

Publication Date: 1989 Country of Publication: Netherlands 2 vol. xxviii+1599 pp.

ISBN: 0 444 87355 4

Conference Date: 1-8 June 1988 Conference Location: Torino, Italy

Language: English

Subfile: B

...Abstract: the acceptable delay limit and the fidelity of communication in these systems is analyzed. Each **voice stream** is processed using speech activity **detection** and embedded **coding**. The **encoded** information is **identified** as more significant or less significant, with the former placed in high priority packets and...

**14/3,K/2 (Item 1 from file: 8)**

DIALOG(R)File 8:EI Compendex(R)

(c) 2007 Elsevier Eng. Info. Inc. All rts. reserv.

04948620 E.I. Monthly No: EI8602010790 E.I. Yearly No: EI86031826

**Title: VOICE PACKET TRANSMISSION.**

Author: Anon

Source: IBM Technical Disclosure Bulletin v 28 n 5 Oct 1985 p 2116

Publication Year: 1985

CODEN: IBMTAA ISSN: 0018-8689

Language: ENGLISH

...Abstract: been reached. The method could be improved by using multi-rate frames with embedded bit streams. The voice signal is encoded at the highest selected rate, but the bits are distributed within each data packet in a way which enables...

**18/3,K/1 (Item 1 from file: 8)**  
DIALOG(R)File 8: Ei Compendex(R)  
(c) 2007 Elsevier Eng. Info. Inc. All rts. reserv.

08407047 E.I. No: EIP99104865400

**Title: Investigating speaker features from very short speech records**  
Author: Berg, Brian LaRoy; Beex, A.A.  
Corporate Source: Hewlett-Packard Co, Westlake Village, CA, USA  
Conference Title: Proceedings of the 1999 IEEE International Symposium on Circuits and Systems, ISCAS '99  
Conference Location: Orlando, FL, USA Conference Date: 19990530-19990602  
E.I. Conference No.: 55489  
Source: Proceedings - IEEE International Symposium on Circuits and Systems v 3 1999. p III-102 - III-105  
Publication Year: 1999  
CODEN: PICSDI ISSN: 0271-4310 ISBN: 0-7803-5471-0  
Language: English

...Abstract: of accurately extracting various speaker features, and is of particular value for analyzing records containing single words and shorter durations of speech. By taking advantage of the fast convergence of adaptive filtering, the approach is capable of modeling the nonstationarities due to both the vocal tract and vocal cord dynamics. This procedure is quite simple, requires no manual intervention, and is particularly unique because it derives both the vocal tract and glottal signal estimates directly from the time-varying filter coefficients rather than the...

Descriptors: \*Speech synthesis; Adaptive filtering; Speech analysis; Speech coding; Algorithms; Correlation detectors  
Identifiers: Vocal tract; Vocal cord; Glottal signal; Speaker identity verification; Glottal inverse filtering; Time varying filter; Prediction error signal  
?

**24/3,K/1 (Item 1 from file: 8)**  
DIALOG(R)File 8: Ei Compendex(R)  
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09279600 E.I. No: EIP03047336356

**Title: Delivery of low rate isochronous streams over the digital video broadcasting/digital audio-visual council cable television protocol**  
Author: Rangel, Victor; Edwards, Robert M.; Tzerefos, Polychronis; Schunke, Klaus-Dieter  
Corporate Source: Centre for Mobile Communication Res. EEE Department University of Sheffield, Sheffield, United Kingdom  
Source: IEEE Transactions on Broadcasting v 48 n 4 December 2002. p 307-316  
Publication Year: 2002  
CODEN: IETBAC ISSN: 0018-9316  
Language: English



...Abstract: 128 Kbps) suitable for timing critical services such as compressed/uncompressed voice (e.g., VoIP: G711 and G.7231), audio and low quality video, were considered in order to study the...  
?

**28/3,K/1 (Item 1 from file: 2)**

DIALOG(R)File 2:INSPEC

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09892907

**Title: An improvement of ITU-T G. 711 packet loss concealment**

Author(s): Funaki, K.; Nakamura, K.

Author Affiliation: Ryukyus Univ., Okinawa, Japan

Conference Title: Proceedings of the IASTED International Conference on Internet and Multimedia Systems and Applications p.482-5

Publisher: ACTA Press, Anaheim, CA, USA

Publication Date: 2005 Country of Publication: USA iv+542 pp.

ISBN: 0 88986 484 5 Material Identity Number: XX-2005-01887

Conference Title: Proceedings of the IASTED International Conference on Internet and Multimedia Systems and Applications

Conference Date: 21-23 Feb. 2005 Conference Location: Grindelwald, Switzerland

Language: English

Subfile: B C

Copyright 2006, The Institution of Engineering and Technology

**Title: An improvement of ITU-T G. 711 packet loss concealment**

...Abstract: speech is seriously degraded. Packet loss concealment (PLC) is essential in IP telephone. ITU-T G. 711 PLC method is adopted widely because of its small computation and elaborated OLA (overlap add...  
... the boundary of the frame. This paper proposes the improved method for the ITU-T G. 711 PLC using LPC analysis and synthesis. In correct received packet frame decoded PCM speech is analyzed by LPC analysis and residual is calculated and LPC coefficients and residual are stored in  
...

... are predicted by repeating the stored LPC coefficients and residual is predicted by using the G. 711 PLC method with the stored residual. The preference listening test result demonstrates that the proposed method can perform well for random packet loss of 10, 20, and 30% than the G. 711 PLC.

...Identifiers: ITU-T G. 711 PLC method...

**28/3,K/2 (Item 1 from file: 8)**

DIALOG(R)File 8:Ei Compendex(R)

(c) 2007 Elsevier Eng. Info. Inc. All rts. reserv.

09091292 E.I. No: EIP02287015304

**Title: Fragile speech watermarking based on exponential scale quantization for tamper detection**

Author: Wu, Chung-Ping; Kuo, C.-C. Jay

Corporate Source: Department of Electrical Engineering University of Southern California, Los Angeles, CA 90089-2564, United States

Conference Title: 2002 IEEE International Conference on Acoustic, Speech, and Signal Processing

Conference Location: Orlando, FL, United States Conference Date:

20020513-20020517

E.I. Conference No.: 59257

Source: ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings v 4 2002. p IV/3305-IV/3308 (IEEE cat n 02ch37334)

Publication Year: 2002

CODEN: IPRODJ ISSN: 0736-7791

Language: English

...Abstract: that the proposed system is able to distinguish malicious alterations from resampling, white noise pollution, G . 711 speech coding and G.721 speech coding with very low error probabilities. 13 Refs.

Descriptors: \*Digital watermarking; Speech processing; Vector quantization; Speech recognition; Signal **detection** ; Mathematical models; Speech **coding** ; Signal receivers; Algorithms; Frequency domain analysis; Cosine transforms; Wavelet transforms

?

File 348:EUROPEAN PATENTS 1978-2007/ 200708

(c) 2007 European Patent Office

File 349:PCT FULLTEXT 1979-2007/UB=20070315UT=20070308

(c) 2007 WIPO/Thomson

Set	Items	Description
S1	89127	(VOICE OR SPEECH AUDIO OR VOCAL)
S2	2220	S1(3N)STREAM?
S3	13133	PCM OR PULSE()CODE()MODULATION
S4	174	S2(3N)(ENCODE?? OR ENCODING OR DECODING OR DECODE?? OR COD- ING OR CODED)
S5	0	LINEAR()G711
S6	0	MULAW()G711
S7	0	ALAW()G711
S8	8	ITU()G711
S9	85	G711
S10	57287	(ONE OR SINGLE OR 1)(3N)(WORD?? OR UTERRANCE??)
S11	76674	(DETECT? OR DETERMIN? OR ANALYZE?? OR ANALYSE?? OR SELECT? OR CHOOS? OR IDENTIF?)(3N)(ENCODE?? OR ENCODING OR DECODING OR DECODE?? OR CODING OR CODED)
S12	6	AU=(RAMBO, D? OR RAMBO D?)
S13	32	S2(S)S11
S14	0	S13(S)(S8 OR S9)
S15	2	S13 AND (S8 OR S9)
S16	5	S13(S)S3
S17	5	S16 NOT S15
S18	4	S12 AND S2
S19	4	S18 NOT (S15 OR S17)
S20	533	S10(10N)S11
S21	0	S20(10N)S2
S22	0	S20(S)S2
S23	1	S20(S)S1
S24	1	S23 NOT (S18 OR S15 OR S17)

15/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00865715 \*\*Image available\*\*

**TRANSPORTING ABCD BITS USING RTP**  
**TRANSPORT DE BITS ABCD PAR RTP**

Patent Applicant/Assignee:

TELOGY NETWORKS INC, 20250 Century Boulevard, Germantown, MD 20874, US,  
US (Residence), US (Nationality)

Inventor(s):

LIDE David, 5317 Trailway Drive, Rockville, MD 20853, US,  
SINDHWANI Manoj, 12801 Cross Creek Lane, Herndon, VA 20171, US,  
MILLS William, 20115 Welbeck Terrace, Montgomery Village, MD 20886, US,  
MLADENOVIC Zoran, 6116 Robinwood Road, Bethesda, MD 20817, US,  
MORGAN Edward, 224 Kent Oaks Mews, Gaithersburg, MD 20878, US,

Legal Representative:

GRANDINETTI Paul (agent), Telogy Networks, Inc., 20250 Century Boulevard,  
Germantown, MD 20874, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200199358 A1 20011227 (WO 0199358)

Application: WO 2000US16734 20000619 (PCT/WO US0016734)

Priority Application: WO 2000US16734 20000619

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 3775

Fulltext Availability:

Detailed Description

Detailed Description

... illustrate the present

invention with 10, 20 or 30 ms size voice packets and a

**G711** Codec, The exemplary embodiments provide at least  
and acceptable 5 ms ABCD sample resolution. The...

...set to a

desired time interval, 30 ms in the exemplary embodiment)  
in order to **determine** if the ABCD **coding** had changed and  
to provide packet loss redundancy. The gateway inserts  
the ABCD samples into the RTP **voice stream** . In the case  
of 10 and 20 ms voice, this provides some redundancy in  
the...

15/3,K/2 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
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00786021

**SYSTEM AND METHOD FOR THE SYNCHRONIZATION AND DISTRIBUTION OF  
TELEPHONY**

**TIMING INFORMATION IN A CABLE MODEM NETWORK**  
**SYSTEME ET PROCEDE DESTINE A LA SYNCHRONISATION ET A LA DISTRIBUTION**  
**D'INFORMATIONS DE SYNCHRONISATION TELEPHONIQUES SUR UN RESEAU**  
**MODEM**  
**CABLE**

Patent Applicant/Assignee:

BROADCOM CORPORATION, 16215 Alton Parkway, Irvine, CA 92618-3616, US, US  
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

RABENKO Theodore F, 16215 Alton Parkway, Irvine, CA 92618-3616, US, US  
(Residence), US (Nationality), (Designated only for: US)

DENNEY Lisa V, 16215 Alton Parkway, Irvine, CA 92618-3616, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

GELFOUND Craig A (agent), Christie, Parker & Hale, LLP, P.O. Box 7068,  
Pasadena, CA 91109-7068, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200119005 A1 20010315 (WO 0119005)

Application: WO 2000US24405 20000905 (PCT/WO US0024405)

Priority Application: US 99152254 19990903

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 112078

Fulltext Availability:

Detailed Description

Detailed Description

... 1046, to assure that it transmits at  
the correct time. This slot timing offset is **determined** by the  
CMTS 1042 by having the CMTS 1042 monitor a dedicated slot timing  
offset...connection between the MTA and the far-end MTA, and begin  
sending and receiving media **stream** packets.

When a **voice** channel is successfully established, real time transport  
protocol (RTP) is used to transport all media...the arrival of an  
upstream grant sync for the service flow allocated for the specific  
**voice stream** . This is necessary to minimize latency on the upstream  
path.

## 2 1.9 Audio Encoding...3.1 Payload format

SubField Value Meaning

Type VOICE

Subtype 1-63 Standard type range.

**G711** ULAWVAD

**G711** ALAWVAD

G728

G729A

G729B SID (G.929B silence identifier)

G729E

SID (generic VAD silence identifier)

**G711** ULAW DATA (Voiceband data relay)

**G711** ALAW DATA (Voiceband data relay)

**G711** ULAW DATAPREV (previous I Oms payload)

**G711** ALAW DATAPREV (previous I Oms payload)

64-95 Test/Experimental type range

96-128 Vendor...

...type range

128-255 Reserved for future use

Payload Variable based on subtype.

Length 82 **G711** ULAW, ALAW or ULAW DATA payload

22 G728 payload

12 G729A payload

G729B SID payload...

...to allow for multi-party bridged calls at the Media Adapter.

Voice-band data traffic' ( **G711** U/A-LAW DATA) is treated as a special case. Voice-band data is less...

...reliability over the HomePNA segment frames containing voice-band data contain two payload fields, **G711** U/A-LAW DATA containing the voice samples from the current 10 ms period, and **G711** U/A-LAW DATAPREV containing a repeat of

the voice samples from the immediately...Payload Format

SubField Value Meaning

Type MODE

Subtype 0 IDLE/IDISABLED

1-63 Standard type range.

**G711** ULAWVAD

**G711** ALAWVAD

**G711** ULAW (VAD disabled)

**G711** ALAW(VAD disabled)

G728

G729A

G729B

G729E

**G711** ULAW DATA (Voiceband data relay)

**G711** ALAW DATA (Voiceband data relay)

64-95 Test/Experimental type range

96-128 Vendor-specific...LC (offset)

(Cut-through by network) MODE: G71 1 U VOICE:G71 1 U  
VOICE: G711 1 U  
Talk CAS: LCF <-4 CAS: LC  
MODE: G71 1 U VOICE:G71 1...

...Talk CAS: LCF <-4 CAS: LC  
MODE: G71 1 U VOICE: G71 1 U  
VOICE: G711 1 U  
Hangup CAS: LO (onhook)  
VOICE: G71 1 U  
CAS: LCF 4  
MODUDLE  
Idle...

?

17/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01660223

**Use of multiple player real-time voice communications on a gaming device**  
**Spielgerät mit Verwendung von Echtzeitsprachkommunikation für mehrere**  
**Spieler**

**Appareil de jeu utilisant des communications vocales en temps réel et a**  
**plusieurs joueurs**

PATENT ASSIGNEE:

MICROSOFT CORPORATION, (749861), One Microsoft Way, Redmond, Washington  
98052-6399, (US), (Applicant designated States: all)

INVENTOR:

Danieli, Damon V., 2685 84th Place N.E., Clyde Hill, Washington 98004,  
(US)

Arama, Roxana Gabriela, 2922 Western Avenue 729, Seattle, washington  
98121, (US)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhauser Anwaltssozietat (100721)  
, Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1364690 A2 031126 (Basic)

APPLICATION (CC, No, Date): EP 2003010933 030515;

PRIORITY (CC, No, Date): US 147578 020516

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS (V7): A63F-013/12

ABSTRACT WORD COUNT: 143

NOTE:

Figure number on first page: 5

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text Language Update Word Count

CLAIMS A (English) 200348 4689

SPEC A (English) 200348 12461

Total word count - document A 17150

Total word count - document B 0

Total word count - documents A + B 17150

...SPECIFICATION reference numerals 240, 242, and 244 provide compressed

data to a selection engine 257 that **chooses** two **encoded** streams for decoding for each player headphone. In this case, an encoded stream 1.1 and an encoded stream 1.2 are **selected** for input to **decoder** 168 where the streams are mixed by a mixer 252 prior to decoding. The output of the decoder is **PCM** data that are supplied to the DAC within the voice communication module for a headset 248. Similarly, for each of the other player headphones, another decoder 168 receives encoded **voice streams** as compressed data, which are then mixed and decoded. As shown, the decoder for a fourth player includes a mixer 254 that mixes encoded **voice streams** 4.1 and 4.2 so that the decoder produces **PCM** data that are supplied to the DAC that provides the analog signal to drive a...

...by reference numbers 240, 242, and 244 are input to a selection engine 260, which **chooses** the maximum four **encoder** streams, a minimum of one for each player who is listening and has a **voice stream** addressed to that player. In this case, four parallel decoders 262 receive the four **selected encoded voice streams** of compressed data. The decoders then decode the compressed data and supply the resulting **PCM** data to a mixer for each player to whom any **voice stream** was intended. In this case, the first player receives two **voice streams** from other players that are mixed by a mixer 270 in a mixer identified by...

...the four parallel decoders is applied for mixing. For example, the fourth player receives three **voice streams** that are mixed by a mixer 272 in a mixer identified by reference numeral 266. The resulting **PCM** data are then applied to headset 250 for the fourth player. Thus, each player can receive from one to four **voice streams** that are mixed by the four-in-one mixing bin assigned to that player.

Another...

**17/3,K/2 (Item 2 from file: 348)**  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01657073

**Banning verbal communication to and from a selected party in a game playing system**

**Unterbindung von Wortmitteilungen zu und von einem bestimmten Teilnehmer in einem Spielsystem**

**Empechement de la communication verbale de et pour une partie choisie dans un systeme de jeu**

PATENT ASSIGNEE:

MICROSOFT CORPORATION, (749866), One Microsoft Way, Redmond, WA 98052, (US), (Applicant designated States: all)

INVENTOR:

Danieli, Damon V., 2685 84th Place N.E., Clyde Hill, Washington 98004, (US)

Heller, Noah, 221 1st Street, Suite 102, Kirkland, Washington 98033, (US)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhauser Anwaltssozietat (100721), Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1362623 A2 031119 (Basic)

EP 1362623 A3 040107

APPLICATION (CC, No, Date): EP 2003006145 030318;

PRIORITY (CC, No, Date): US 150781 020517



DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK  
INTERNATIONAL PATENT CLASS (V7): A63F-013/12  
ABSTRACT WORD COUNT: 148

NOTE:

Figure number on first page: 10

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200347	2076
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SPEC A	(English)	200347	11460
--------	-----------	--------	-------

Total word count - document A	13536
-------------------------------	-------

Total word count - document B	0
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Total word count - documents A + B	13536
------------------------------------	-------

...SPECIFICATION reference numerals 240, 242, and 244 provide compressed data to a selection engine 257 that **chooses** two **encoded** streams for decoding for each player headphone. In this case, an encoded stream 1.1 and an encoded stream 1.2 are **selected** for input to **decoder** 168 where the streams are mixed by a mixer 252 prior to decoding. The output of the decoder is **PCM** data that are supplied to the DAC within the voice communication module for a headset 248. Similarly, for each of the other player headphones, another decoder 168 receives encoded **voice streams** as compressed data, which are then mixed and decoded. As shown, the decoder for a fourth player includes a mixer 254 that mixes encoded **voice streams** 4.1 and 4.2 so that the decoder produces **PCM** data that are supplied to the DAC that provides the analog signal to drive a...

...by reference numbers 240, 242, and 244 are input to a selection engine 260, which **chooses** the maximum four **encoder** streams, a minimum of one for each player who is listening and has a **voice stream** addressed to that player. In this case, four parallel decoders 262 receive the four **selected encoded voice streams** of compressed data. The decoders then decode the compressed data and supply the resulting **PCM** data to a mixer for each player to whom any **voice stream** was intended. In this case, the first player receives two **voice streams** from other players that are mixed by a mixer 270 in a mixer identified by...

...the four parallel decoders is applied for mixing. For example, the fourth player receives three **voice streams** that are mixed by a mixer 272 in a mixer identified by reference numeral 266. The resulting **PCM** data are then applied to headset 250 for the fourth player. Thus, each player can receive from one to four **voice streams** that are mixed by the four-in-one mixing bin assigned to that player.

Another...

17/3,K/3 (Item 3 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01103193

Silence detection and suppression in voice trunking applications over an  
ATM network

**Sprachpausenerkennung und -entfernung in Sprachverbindungen über einem ATM-Netz**

**Detection et suppression de silence dans des applications de communication vocal sur un réseau ATM**

**PATENT ASSIGNEE:**

NEC CORPORATION, (236690), 7-1, Shiba 5-chome, Minato-ku, Tokyo, (JP),  
(Applicant designated States: all)

**INVENTOR:**

Dighe, Rajiv c/o NEC USA, Inc., 4 Independence Way, Princeton, New Jersey  
08540, (US)

Thirumalai, Vasanthi c/o NEC USA, Inc., 4 Independence Way, Princeton,  
New Jersey 08540, (US)

**LEGAL REPRESENTATIVE:**

Patentanwalte Dipl.-Ing. R. Splanemann Dr. B. Reitzner Dipl.-Ing. K.  
Baronetzky (100431), Tal 13, 80331 München, (DE)

PATENT (CC, No, Kind, Date): EP 967821 A2 991229 (Basic)

APPLICATION (CC, No, Date): EP 99104882 990311;

PRIORITY (CC, No, Date): US 90687 P 980625; US 165186 981002

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): H04Q-011/04

ABSTRACT WORD COUNT: 107

**NOTE:**

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	199952	816
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SPEC A	(English)	199952	5246
--------	-----------	--------	------

Total word count - document A	6062
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Total word count - document B	0
-------------------------------	---

Total word count - documents A + B	6062
------------------------------------	------

**...SPECIFICATION encoding formats**

A key aspect of this invention is the detection of silence in a **voice stream**. It is to be noted that, **voice streams** entering the access multiplexer are streams with known encoding formats. Examples of such formats include digital **PCM** or ADPCM streams with known idle codes and low energy codes (this is based on the well-known A-law and (mu)-law **PCM** rules). Unlike prior art techniques that perform digital speech interpolation on analog samples, the present invention performs silence **detection** by merely observing **encoding** formats (for example **PCM**, ADPCM, CELP, PLC and HDLC samples). Based on the samples of encoding formats, a decision to suppress (or not to suppress) a segment of the **voice stream** is made.

Importantly, the coding style of each channel is known apriori through call setup...

**17/3,K/4 (Item 1 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00443927

**A COMMUNICATION SYSTEM ARCHITECTURE  
ARCHITECTURE D'UN SYSTEME DE COMMUNICATION**

Patent Applicant/Assignee:

MCI WORLDCOM INC,  
EASTEP Guido M,  
LITZENBERGER Paul R,  
OREBAUGH Shannon R,  
ELLIOTT Isaac K,  
STELLE Rick,  
SCHRAGE Bruce,  
BAXTER Craig A,  
ATKINSON Wesley,  
KNOSTMAN Chuck,  
CHEN Bing,  
VANDERSLUIS Kristan,

Inventor(s):

EASTEP Guido M,  
LITZENBERGER Paul R,  
OREBAUGH Shannon R,  
ELLIOTT Isaac K,  
STELLE Rick,  
SCHRAGE Bruce,  
BAXTER Craig A,  
ATKINSON Wesley,  
KNOSTMAN Chuck,  
CHEN Bing,  
VANDERSLUIS Kristan,  
JUN Fang DI,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9834391 A2 19980806  
Application: WO 98US1868 19980203 (PCT/WO US9801868)  
Priority Application: US 97794555 19970203; US 97794114 19970203; US  
97794689 19970203; US 97807130 19970210; US 97798208 19970210; US  
97795270 19970210; US 97797964 19970210; US 97800243 19970210; US  
97798350 19970210; US 97797445 19970210; US 97797360 19970210

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM  
GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX  
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH  
GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI  
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 156226

Fulltext Availability:

Detailed Description

Detailed Description

... video resolutions of 352x288 pixels and 176x144 pixels.

ITU H,263 Recommendation for Video Coder- **Decoder** for audiovisual  
services supporting video resolutions of 128x96 pixels, 176x144 pixels,  
352x288 pixels, 704x576 pixels...the connection has been established, the  
ITG provides

conversion services between IP packetized voice and **PCM** voice.

ITG 3 These ITGs act in a similar capacity as the ITGs connected to...

...the IAD is connected to the PSTN, the information traveling over that interface is not **PCM** voice, it is IP data packets. In the case of telephony over the IAD, the...

**17/3,K/5 (Item 2 from file: 349)**  
DIALOG(R)File 349:PCT FULLTEXT  
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00432616

**A COMMUNICATION SYSTEM ARCHITECTURE**  
**SYSTEME, PROCEDE ET PRODUIT MANUFACTURE POUR L'ARCHITECTURE D'UN**  
**SYSTEME DE**  
**COMMUNICATION**

Patent Applicant/Assignee:

MCI COMMUNICATIONS CORPORATION,  
ELLIOTT Isaac K,  
STEELE Rick D,  
GALVIN Thomas J,  
LAFRENIERE Lawrence L,  
KRISHNASWAMY Sridhar,  
FORGY Glen A,  
REYNOLDS Tim E,  
SOLBRIG Erin M,  
CERF Vinton,  
GROSS Phil,  
DUGAN Andrew J,  
SIMS William A,  
HOLMES Allen,  
SMITH Robert S II,  
KELLY Patrick J III,  
GOTTLIEB Louis G,  
COLLIER Matthew T,  
WILLE Andrew N,  
RINDE Joseph,  
LITZENBERGER Paul D,  
TURNER Don A,  
WALTERS John J,  
EASTEP Guido M,  
MARSHALL David D,  
PRICE Ricky A,  
SALEH Bilal A,

Inventor(s):

ELLIOTT Isaac K,  
STEELE Rick D,  
GALVIN Thomas J,  
LAFRENIERE Lawrence L,  
KRISHNASWAMY Sridhar,  
FORGY Glen A,  
REYNOLDS Tim E,  
SOLBRIG Erin M,  
CERF Vinton,

GROSS Phil,  
DUGAN Andrew J,  
SIMS William A,  
HOLMES Allen,  
SMITH Robert S II,  
KELLY Patrick J III,  
GOTTLIEB Louis G,  
COLLIER Matthew T,  
WILLE Andrew N,  
RINDE Joseph,  
LITZENBERGER Paul D,  
TURNER Don A,  
WALTERS John J,  
EASTEP Guido M,  
MARSHALL David D,  
PRICE Ricky A,  
SALEH Bilal A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9823080 A2 19980528

Application: WO 97US21174 19971114 (PCT/WO US9721174)

Priority Application: US 96751203 19961118; US 96751668 19961118; US  
96752271 19961118; US 96758734 19961118; US 96751209 19961118; US  
96751661 19961118; US 96752236 19961118; US 96752487 19961118; US  
96752269 19961118; US 96751923 19961118; US 96751658 19961118; US  
96752552 19961118; US 96751933 19961118; US 96751663 19961118; US  
96746899 19961118; US 96751915 19961118; US 96752400 19961118; US  
96751922 19961118; US 96751961 19961118

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU  
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH KE LS MW  
SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE  
IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 168195

Fulltext Availability:

Detailed Description

Detailed Description

... RTP Real-Time Transport Protocol, an Internet Standard Protocol for  
transmission of realtime data like **voice** and video over unicast and  
multicast networks.

IP Internet Protocol, an Internet Standard Protocol for...the connection  
has been established, the ITG provides conversion services between IP  
packetized voice and **PCM** voice.

175

ITG 3 These ITGs act in a similar capacity as the ITGs connected...

...the JAD is connected to the PSTN, the information traveling over that  
interface is not **PCM** voice, it is IP data packets. In the case of  
telephony over the IAD, the...

?

19/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01784078

**System and method of testing all media encoders and decoders in a digital communication system**

**System und Verfahren zum Testen aller Medienkodierer und Mediendekodierer in einem digitalen Kommunikationssystem**

**Système et procédé pour tester tous les codeurs et decodeurs de media dans un système de communication numérique**

PATENT ASSIGNEE:

Broadcom Corporation, (2064669), 16215 Alton Parkway, Irvine, California 92618-7013, (US), (Applicant designated States: all)

INVENTOR:

**Rambo, Darwin**, 6091 187th Street, V3S 7P3 Cloverdale, BC, (CA)  
Houghton, Phil, 16966 60A Avenue, V3S 8X5 Surrey, B.C., (CA)

LEGAL REPRESENTATIVE:

Jehle, Volker Armin, Dipl.-Ing. (95142), Bosch, Graf von Stosch, Jehle, Fluggenstrasse 13, 80639 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1455343 A2 040908 (Basic)

APPLICATION (CC, No, Date): EP 2004001853 040128;

PRIORITY (CC, No, Date): US 378366 030303

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS (V7): G10L-019/00

ABSTRACT WORD COUNT: 107

NOTE:

Figure number on first page: 5A 5B

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200437	515
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SPEC A	(English)	200437	9725
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Total word count - document A	10240
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Total word count - document B	0
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Total word count - documents A + B	10240
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INVENTOR:

**Rambo, Darwin** ...

...SPECIFICATION synchronizer 90 that operates in conjunction with a voice queue 86 to provide an isochronous **stream** of **voice** frames to the voice decoder 96.

Sequence numbers embedded into the voice packets at the...

...the voice synchronizer 90 couples voice frames from the voice queue 86 in an isochronous **stream** to the **voice** decoder 96. The voice decoder 96 decodes the voice frames into digital voice samples suitable...

19/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01780958

**Quality of service (QOS) metric computation in voice over IP systems**  
**Berechnung von Dienstqualitätsparametern in Sprache-uber-IP Systemen**  
**Calcul de parametres de qualite de service dans des systemes de voix sur IP**

PATENT ASSIGNEE:

Broadcom Corporation, (2064669), 16215 Alton Parkway, Irvine, CA  
92618-7013, (US), (Applicant designated States: all)

INVENTOR:

LeBlanc, Wifrid, 5362 Cypress Street, Vancouver, B.C. V6M 3R4, (CA)  
**Rambo, Darwin**, 6091 187th Street, V3S 7P3 Surrey B.C., (CA)

LEGAL REPRESENTATIVE:

Jehle, Volker Armin (95142), Bosch, Graf von Stosch, Jehle,  
Fluggenstrasse 13, 80639 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1453244 A2 040901 (Basic)

EP 1453244 A2 040901

EP 1453244 A3 060816

APPLICATION (CC, No, Date): EP 2004001940 040129;

PRIORITY (CC, No, Date): US 377442 030228

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS (V7): H04L-012/26; H04M-003/22

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

H04M-0007/00 A I F B 20060101 20060630 H EP

H04M-0003/22 A I L B 20060101 20060630 H EP

H04L-0029/06 A I L B 20060101 20060630 H EP

H04L-0012/26 A I L B 20060101 20060630 H EP

ABSTRACT WORD COUNT: 113

NOTE:

Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200436	400
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SPEC A	(English)	200436	8434
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Total word count - document A	8836
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Total word count - document B	0
-------------------------------	---

Total word count - documents A + B	8836
------------------------------------	------

INVENTOR:

... CA)

**Rambo, Darwin** ...

...SPECIFICATION a voice synchronizer that operates in conjunction with a voice queue to provide an isochronous **stream** of **voice** frames to the voice decoder.

In addition to a voice decoder and a jitter buffer...

...active speech, the voice synchronizer couples voice frames from the voice queue in an isochronous **stream** to the **voice** decoder. The voice decoder decodes the voice frames into digital voice samples suitable for transmission...

19/3,K/3 (Item 3 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01769322

Using communication network statistics for jitter buffer and echo canceller control

Verwendung von Kommunikationsnetzwerkstatistiken zum Steuern eines Jitter-Puffers und eines Echounterdruckers

Commande de tampon d' instabilite et d' annuleur d' echo utilisant des statistiques de reseau de communications

PATENT ASSIGNEE:

Broadcom Corporation, (2064669), 16215 Alton Parkway, Irvine, California 92618-7013, (US), (Applicant designated States: all)

INVENTOR:

LeBlanc, Wilfrid, 5362 Cypress Street, Vancouver, B.C. V6M 3R4, (CA)

Rambo, Darwin , 6091 187th Street, V3S 7P3 Cloverdale, B.C., (CA)

LEGAL REPRESENTATIVE:

Jehle, Volker Armin, Dipl.-Ing. (95142), Bosch, Graf von Stosch, Jehle, Fluggenstrasse 13, 80639 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1443743 A1 040804 (Basic)  
EP 1443743 A1 040804

APPLICATION (CC, No, Date): EP 2004001234 040121;

PRIORITY (CC, No, Date): US 349247 030121

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS (V7): H04M-007/00; H04M-003/00

ABSTRACT WORD COUNT: 85

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200432	413
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SPEC A	(English)	200432	8683
--------	-----------	--------	------

Total word count - document A	9096
-------------------------------	------

Total word count - document B	0
-------------------------------	---

Total word count - documents A + B	9096
------------------------------------	------

INVENTOR:

... CA)

Rambo, Darwin ...

...SPECIFICATION a voice synchronizer that operates in conjunction with a voice queue to provide an isochronous **stream** of **voice** frames to the voice decoder.

In addition to a voice decoder and a jitter buffer...

...active speech, the voice synchronizer couples voice frames from the voice queue in an isochronous **stream** to the **voice** decoder. The voice decoder decodes the voice frames into digital voice samples suitable for transmission...protocol (RTP) egress packet voice signal 133, and real-time control protocol (RTCP) egress packet **stream** 147. Egress packet **voice** signal 133 of FIG. 6 may correspond to, for example, the



egress packet voice signal...

**19/3,K/4 (Item 4 from file: 348)**  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2007 European Patent Office. All rts. reserv.

01626666

**Memory sharing techniques in compressed audio stream data decoder**  
**Speicherteilungstechnik für einen Dekoder für komprimierte Audiostromdaten**  
**Techniques de partage de mémoire pour decodeur de flux compressé de données audio**

PATENT ASSIGNEE:

Broadcom Corporation, (2064669), 16215 Alton Parkway, Irvine, California  
92618-7013, (US), (Applicant designated States: all)

INVENTOR:

Morton, Paul, 42 East 17th Avenue, Vancouver, B.C. V5V 1A2, (CA)  
**Rambo, Darwin**, 6091 187th Street, Cloverdale, B.C. V3S 7P3, (CA)

LEGAL REPRESENTATIVE:

Jehle, Volker Armin, Dipl.-Ing. (95141), Patentanwälte Bosch, Graf von  
Stosch, Jehle, Fluggenstrasse 13, 80639 München, (DE)

PATENT (CC, No, Kind, Date): EP 1341172 A2 030903 (Basic)  
EP 1341172 A3 040310

APPLICATION (CC, No, Date): EP 2003004539 030228;

PRIORITY (CC, No, Date): US 87290 020228

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO

INTERNATIONAL PATENT CLASS (V7): G11B-020/00; H04M-007/00; G11C-007/16;  
H04L-012/64

ABSTRACT WORD COUNT: 105

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text Language Update Word Count

CLAIMS A (English) 200336 1227

SPEC A (English) 200336 2325

Total word count - document A 3552

Total word count - document B 0

Total word count - documents A + B 3552

INVENTOR:

... CA)

**Rambo, Darwin** ...

...SPECIFICATION

underscore)GLOBAL(underscore)MAX(underscore)JITTER(underscore)MSEC, which  
represents the maximum duration of audio stream signal (e.g., voice )  
that can be generated from the compressed data.

Compressed data of greater complexity generally can...

?

**24/3,K/1 (Item 1 from file: 349)**  
DIALOG(R)File 349:PCT FULLTEXT  
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00802534

**ANY-TO-ANY COMPONENT COMPUTING SYSTEM  
SYSTEME INFORMATIQUE A COMPOSANTS TOUTE CATEGORIE**

Patent Applicant/Assignee:

E-BRAIN SOLUTIONS LLC, 1200 Mountain Creek Road, Suite 440, Chattanooga,  
TN 34705, US, US (Residence), US (Nationality), (For all designated  
states except: US)

Patent Applicant/Inventor:

WARREN Peter, 1200 Mountain Creek Road, Suite 440, Chattanooga, TN 37405,  
US, GB (Residence), GB (Nationality), (Designated only for: US)  
LOWE Steven, 1625 Starboard Drive, Hixson, TN 37343, US, US (Residence),  
US (Nationality), (Designated only for: US)

Legal Representative:

MEHRMAN Michael J (agent), Paper Mill Village, Building 23, 600 Village  
Trace, Suite 300, Marietta, GA 30067, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200135216 A2-A3 20010517 (WO 0135216)

Application: WO 2000US31231 20001113 (PCT/WO US0031231)

Priority Application: US 99164884 19991112

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 275671

Fulltext Availability:

Claims

Claim

... holds true for the specific meanings of words. That is, each specific  
meaning of a **word** is stored as **one** or more Numbers Concept Language  
**identifiers** in the Data Relation Table 17. The Data Relation Table 17  
also includes record correlations...Because of this, the particular  
meaning (Concept Symbol or Concept  
Statement) to use for a **word** that has Context Compression **Coded**  
meanings can

be **detected** provided that:

1 The definition of the word is recorded.

103

) The rules used by...computer can accept orders in any machine-readable  
format such as keyboard, Mouse, Touch-screen, **Voice** (if **Voice**  
Recognition software is installed) e-mail, fax (if Optical Character  
Recognition is installed) or by telephone (if Telephone **Voice**  
Recognition Software is installed).

2) Fully Understanding, non-speaking Unspecialized computer. In this  
option, a...is forced to attach his entire car to that roof in order to  
use the **one** bolt he wants. He should do that because that bolt has a

fixed relationship to...  
?

File 9:Business & Industry(R) Jul/1994-2007/Mar 19  
(c) 2007 The Gale Group

File 15:ABI/Inform(R) 1971-2007/Mar 20  
(c) 2007 ProQuest Info&Learning

File 16:Gale Group PROMT(R) 1990-2007/Mar 19  
(c) 2007 The Gale Group

File 20:Dialog Global Reporter 1997-2007/Mar 20  
(c) 2007 Dialog

File 47:Gale Group Magazine DB(TM) 1959-2007/Mar 09  
(c) 2007 The Gale group

File 75:TGG Management Contents(R) 86-2007/Mar W2  
(c) 2007 The Gale Group

File 80:TGG Aerospace/Def.Mkts(R) 1982-2007/Mar 19  
(c) 2007 The Gale Group

File 88:Gale Group Business A.R.T.S. 1976-2007/Mar 15  
(c) 2007 The Gale Group

File 98:General Sci Abs 1984-2007/Mar  
(c) 2007 The HW Wilson Co.

File 112:UBM Industry News 1998-2004/Jan 27  
(c) 2004 United Business Media

File 141:Readers Guide 1983-2007/Jan  
(c) 2007 The HW Wilson Co

File 148:Gale Group Trade & Industry DB 1976-2007/Mar 09  
(c)2007 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2007/Mar 19  
(c) 2007 The Gale Group

File 264:DIALOG Defense Newsletters 1989-2007/Mar 16  
(c) 2007 Dialog

File 484:Periodical Abs Plustext 1986-2007/Feb W4  
(c) 2007 ProQuest

File 553:Wilson Bus. Abs. 1982-2007/Mar  
(c) 2007 The HW Wilson Co

File 570:Gale Group MARS(R) 1984-2007/Mar 19  
(c) 2007 The Gale Group

File 608:KR/T Bus.News. 1992-2007/Mar 20  
(c)2007 Knight Ridder/Tribune Bus News

File 620:EIU:Viewswire 2007/Mar 19  
(c) 2007 Economist Intelligence Unit

File 613:PR Newswire 1999-2007/Mar 20  
(c) 2007 PR Newswire Association Inc

File 621:Gale Group New Prod.Annou.(R) 1985-2007/Mar 08  
(c) 2007 The Gale Group

File 623:Business Week 1985-2007/Mar 20  
(c) 2007 The McGraw-Hill Companies Inc

File 624:McGraw-Hill Publications 1985-2007/Mar 20  
(c) 2007 McGraw-Hill Co. Inc

File 634:San Jose Mercury Jun 1985-2007/Mar 16  
(c) 2007 San Jose Mercury News

File 635:Business Dateline(R) 1985-2007/Mar 17  
(c) 2007 ProQuest Info&Learning

File 636:Gale Group Newsletter DB(TM) 1987-2007/Mar 19  
(c)-2007 The Gale Group

File 647:CMP Computer Fulltext 1988-2007/Jun W1  
(c) 2007 CMP Media, LLC

File 696:DIALOG Telecom. Newsletters 1995-2007/Mar 15

(c) 2007 Dialog

File 674:Computer News Fulltext 1989-2006/Sep W1

(c) 2006 IDG Communications

File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire

File 813:PR Newswire 1987-1999/Apr 30

(c) 1999 PR Newswire Association Inc

File 587:Jane's Defense&Aerospace 2007/Mar W2

(c) 2007 Jane's Information Group

Set Items Description

S1 3699664 (VOICE OR SPEECH AUDIO OR VOCAL)

S2 14488 S1(3N)STREAM?

S3 25920 PCM OR PULSE()CODE()MODULATION

S4 69 S2(3N)(ENCODE?? OR ENCODING OR DECODING OR DECODE?? OR COD-  
ING OR CODED)

S5 0 LINEAR()G711

S6 0 MULAW()G711

S7 0 ALAW()G711

S8 0 ITU()G711

S9 3773 G711 OR G()711

S10 271766 (ONE OR SINGLE OR 1)(3N)(WORD?? OR UTERRANCE??)

S11 34663 (DETECT? OR DETERMIN? OR ANALYZE?? OR ANALYSE?? OR SELECT?  
OR CHOOS? OR IDENTIF?)(3N)(ENCODE?? OR ENCODING OR DECODING OR  
DECODE?? OR CODING OR CODED)

S12 6 AU=(RAMBO, D? OR RAMBO D?)

S13 61 S10(S)S11

S14 0 S13(S)S2

S15 0 S13(S)S9

S16 0 S12 AND S13

S17 2 S13(S)S1

S18 2 RD (unique items)

S19 13 S4(S)S9

S20 0 S19(S)S10

S21 13 S19 NOT S18

S22 6 RD S21 (unique items)

S23 0 S12 AND S9

18/3,K/1 (Item 1 from file: 484)

DIALOG(R)File 484:Periodical Abs Plustext

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07189936 SUPPLIER NUMBER: 1039937021 (USE FORMAT 7 OR 9 FOR FULLTEXT

)

The influence of spelling on phonological encoding in word reading, object  
naming, and word generation

Roelofs, Ardi  
Psychonomic Bulletin & Review (PSBR), v13 n1, p33-37, p.5  
Feb 2006  
ISSN: 1069-9384 JOURNAL CODE: PSBR  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 4279

TEXT:

... 5 sec. A Hermac computer controlled stimulus presentation and data collection, including the voice key.

**Analyses** . The response **coding** and **analyses** were the same in all experiments. After each trial, the experimenter coded the responses for...

...responses were distinguished: wrong response words, wrong pronunciation of the words, disfluencies, triggering of the voice key by nonspeech sounds, and failures to respond within 1.5 sec after word presentation. Incorrect responses were excluded from the statistical analysis of the production latencies. For all...

**18/3,K/2 (Item 2 from file: 484)**  
DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2007 ProQuest. All rts. reserv.

05130749 SUPPLIER NUMBER: 69727879 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Encoding tasks and the processing of perceptual information in young and older adults**

Pilotti, Maura; Beyer, Tim; Yasunami, Mariya  
Journals of Gerontology (PGN2), v56B n2, pP119+, p.10  
Mar 2001

ISSN: 1079-5014 JOURNAL CODE: PGN2  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 9123

TEXT:

... declines in sensory uptake weaken older adults' ability to process voice information, age differences in voice effects should be observed at test primarily following encoding instructions promoting attention to linguistic information...

?

**22/3,K/1 (Item 1 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2007 The Gale Group. All rts. reserv.

12991468 Supplier Number: 143152791 (USE FORMAT 7 FOR FULLTEXT)

**AudioCodes Introduces a Triple T3 Interface to its Blades, Media Gateway and Media Server Platforms.**

PR Newswire, pNA  
March 13, 2006  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1116

... for PSTN protocols as ISDN PRI and multiple CAS variants, SIGTRAN

(M2UA, M3UA, IUA), VoIP streaming, various voice coding include G . 711, G.723.1, G.729AB, AMR, EVRC, iLBC and many more, G.168 2002 compliant

...

**22/3,K/2 (Item 2 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2007 The Gale Group. All rts. reserv.

10461442 Supplier Number: 101411516 (USE FORMAT 7 FOR FULLTEXT)  
**TI and Partners Offer Consumers Access to Digital Media Content Anywhere In The House; Comprehensive DSP-Based Streaming Media Platform Enables Multiple Home Networking Products to Store, Display and Distribute a Wide Range of Media Formats.**  
PR Newswire, pDATH00408052003  
May 8, 2003  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1198

... imaging;  
-- AAC, ATRAC3, MP3, and WMA for audio; and  
-- AMR, G.723.1, G.726, G . 711 for voice  
TI's streaming media products decode locally, making the content format virtually invisible to the consumer and expanding the inherent functionality...

**22/3,K/3 (Item 1 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2007 Dialog. All rts. reserv.

25371229 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**AudioCodes Announces the Availability of A cPCI VoP Media Gateway With T3 Interfaces**  
PR NEWswire (US)  
October 08, 2002  
JOURNAL CODE: WPRU LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 851

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... ISDN PRI and multiple CAS variants, SIGTRAN (M2UA, IUA), VoIP streaming, various voice coding include G . 711, G.723.1, G.729 and many more, G.168 2000 compliant echo cancellation, real...

**22/3,K/4 (Item 1 from file: 613)**  
DIALOG(R)File 613:PR Newswire  
(c) 2007 PR Newswire Association Inc. All rts. reserv.

0001978810 I8A4CDD70B29711DA84F49018F117AC11 (USE FORMAT 7 FOR FULLTEXT)  
**AudioCodes Introduces a Triple T3 Interface to its Blades, Media Gateway and Media Server Platforms The TP-6310/T3 cPCI Media Gateway on a Blade Offers a High-Density, Carrier Grade, T3 Converged VoIP Platform for Carriers and Large Enterprises Applications.**

PR Newswire

Monday, March 13, 2006 T13:30:00Z

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 1,009

...for PSTN protocols as ISDN PRI and multiple CAS variants, SIGTRAN (M2UA, M3UA, IUA), VoIP streaming, various voice coding include G.711, G.723.1, G.729AB, AMR, EVRC, iLBC and many more, G.168 2002 compliant...

22/3,K/5 (Item 2 from file: 613)

DIALOG(R)File 613:PR Newswire

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00978324 20030508DATH004 (USE FORMAT 7 FOR FULLTEXT)

**TI and Partners Offer Access to Digital Media Content**

PR Newswire

Thursday, May 8, 2003 09:04 EDT

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 1,303

TEXT:

...imaging;

- AAC, ATRAC3, MP3, and WMA for audio; and
- AMR, G.723.1, G.726, G.711 for voice

TI's streaming media products decode locally, making the content format virtually invisible to the consumer and expanding the inherent functionality...

22/3,K/6 (Item 3 from file: 613)

DIALOG(R)File 613:PR Newswire

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00834137 20021008NYTU021 (USE FORMAT 7 FOR FULLTEXT)

**AudioCodes Announces the Availability of A cPCI VoP Media**

PR Newswire

Tuesday, October 8, 2002 08:34 EDT

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 887

TEXT:

...support for PSTN protocols as ISDN PRI and multiple CAS variants, SIGTRAN (M2UA, IUA), VoIP streaming, various voice coding include G.711, G.723.1, G.729 and many more, G.168 2000 compliant echo cancellation, real...  
?